

FOLIO

Alberta Heritage Savings Trust Fund Conference 18 and 19 October 1979

A conference on the Alberta Heritage Savings Trust Fund will take place at The University of Alberta on 18 and 19 October 1979. The conference is being organized jointly by the University's Departments of Economics and Political Science and by the Faculty of Business Administration and Commerce. The keynote address for the conference will be delivered at the closing banquet by the Hon. Lou Hyndman who, as Provincial Treasurer, is the person primarily responsible for the administration of the Fund.

The program of the conference has been designed to give maximum attention to the large number of basic political and economic questions to which the accumulation of the Fund gives rise. In addition, an important aspect of the conference will be the exploration of the Fund's usefulness for the future economic development of our province. For example, the address to be given by the Hon. Lou Hyndman will attack such basic issues as: "How should the funds [in the HSTF] be allocated to alternative investment programs? How much of the Fund's resources should be used to create social overhead capital, through municipalities and public institutions? How should the Funds resources be allocated between physical and human capital investment? How should the Fund be used to support the social and cultural needs of a rapidly expanding population?"

In addition to the address to be delivered by the Provincial Treasurer, ten other papers will

be given by well-known representatives of the academic community, the Government of Alberta, and the financial community. These papers, together with discussants' comments, will be abridged and published in a special issue of *Canadian Public Policy/Analyse de Politiques*.

Further information about the conference and the revised agenda which follows this article may be obtained from the Office of Community Relations; R.R. Gilsdorf, Political Science; B.L. Scarfe, Chairman, Economics; and R.S. Smith, Dean, Faculty of Business Administration and Commerce.

Conference Agenda:

18 October 1979

Session I: *Economic Perspectives on the HSTF*, chaired by W.D. Gainer, Associate Dean, Faculty of Graduate Studies and Research. Papers: 1) "The Nature and Projected Size of the HSTF," by A.F. Collins, Deputy Provincial Treasurer; 2) "The Optimal Savings Question: An Alberta Perspective," by T.L. Powrie and B.L. Scarfe. Papers 1 and 2 will be discussed by O.S. Goldsmith of the Institute of Social and Economic Research, University of Alaska, and J.F. Helliwell of the Department of Economics, University of British Columbia.

Session 2: "Natural Resource Revenues: A Test of Federalism" *Revisited*, chaired by J.P. Meekison, Department of Federal and Intergovernmental Affairs.



The ultimate source of the HSTF. Pictured above is the first production of oil sands crude from the Research Council of Alberta's facility on the banks of the Clearwater River in 1930. (Karl A. Clark papers, Provincial Archives of Alberta).

Papers: 3) "The Economic Impact of the HSTF on Other Provinces," with T.J. Courchene and J.R. Melvin, Chairman, Department of Economics, University of Western Ontario; 4) "Canadian Political Dimensions and the HSTF," by R. Simeon, Institute of Intergovernmental Relations, Queen's University. These two papers will be discussed by F.C. Engelmann of our University's Department of Political Science; A.D. Scott of the Department of

Economics, University of British Columbia; and by B.W. Wilkinson of the Department of Economics at this institution.

Session 3: *Portfolio Selection Issues—With special reference to the questions of the impact of the HSTF on capital markets and the appropriateness of foreign diversification*, chaired by R.S. Smith, Dean of the Faculty of Business Administration and Commerce. Papers: 5) "The Effect of the HSTF and Other Large Funds on

Capital Markets," with A. Kniewasser, President, Investment Dealers' Association of Canada; 6) "Opportunities for Diversification into Foreign Financial Markets," with R. Mirus, Faculty of Business Administration and Commerce. Papers 5 and 6 will be considered by G.L. Bell, Executive Vice-President, Schroder International Limited, London, UK; H. Eaton, President, Canadian Commercial and Industrial Bank; and by S.M. Tinic, Chairman of the University's Department of Finance and Management Science.

19 October 1979

Session 4: *The Economic Impact of Alternative Investment Strategies for the HSTF*, chaired by E.J. Chambers of the Faculty of Business Administration and Commerce.

Papers: 7) "The Industrial Diversification Issue," by S.E. Druge and T.S. Veenan, Department of Economics; 8) "Province-Building vs the Renter Society," by M.L. McMillan and K.H. Norrie, Department of Economics. Discussants of these two papers will be G.G. Cloutier, Director of Research, Research Council of

Alberta; R.L. Mansell, Department of Economics, University of Calgary; and J. Vanderkamp, Department of Economics, University of Guelph.

Session 5: *The Political Implications of the HSTF for the Province of Alberta*, chaired by R.R. Gilsdorf of the University's Department of Political Science. Papers: 9) "The Politics of Accountability: Executive Discretion and Democratic Control," with L.R. Pratt and A. Tupper of the Department of Political Science; 10) "The HSTF and the Role and Function of Provincial Government," by G. Stephenson, Department of Political Science. Discussants for papers 9 and 10 will be D. Hartle, Department of Political Economy, University of Toronto; D.V. Smiley, Department of Political Science, York University; and W. Thorsell of the *Edmonton Journal*.

Banquet: The chairman will be President Horowitz and the keynote address, "The Policy Context of the Alberta HSTF," will be delivered by the Hon. Lou Hyndman, Provincial Treasurer for the Province of Alberta. □



Barbecued chicken sizzles, awaiting the onslaught of the more than five hundred staff, faculty, and students who flocked to the quad outside CAB last Wednesday afternoon for the revival of the University BBQ. The atmosphere, complete with balloons, was filled with food, music, and merriment.

FOLIO

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All inquiries and correspondence should be directed to:

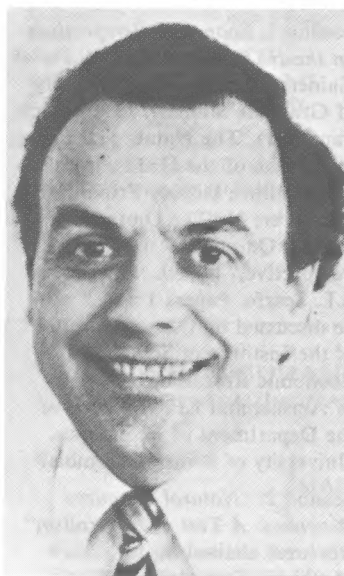
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Genetics Conference

The Genetics Society of Canada, The Genetics Society of America, and The American Society of Naturalists will meet on campus from 19 to 22 August. It will be the first joint meeting of the societies and translates into an influx of about 500 delegates. Sunday 19 August will be taken up by registration and a reception in Lister Hall. The following day, concurrent symposia will begin at 9 a.m. in the Henry Marshall Tory Lecture Theatres; while contributed paper sessions will commence at 1:30 p.m. in the V Wing of the Physics Building. The venues and starting times for these two aspects of the conference will be constant. In all, there will be nine symposia and 220 contributed papers. A display of fifty posters will remain in the corridors of V Wing for the



Dr. Werner Arber,
1978 Nobel Laureate in Medicine

duration of the conference.

One of the key speakers for the occasion is Dr. Werner Arber, the 1978 Nobel Laureate in Medicine. His lecture is entitled "New Views on the Concept of Genetic Stability" and will be delivered on Monday 20 August at 8 p.m. in the SUB Theatre.

Dr. Arber, who is based at the Biozentrum in Basel, Switzerland, is credited with having first developed the concept of "restriction endonucleases," enzymes that can be used to study genetic organization and to manipulate DNA molecules for "genetic engineering."

R.C. von Borstel, Chairman of the Department of Genetics, is serving as Chairman of the Local Committee for Arrangements. He notes that, in addition to geneticists, the conference will contain

information for biochemists, molecular biologists, cancer researchers, and those whose work is in plant breeding and genetics as related to agriculture.

The titles of the symposia in order of occurrence are: "Genetic Regulation"; "Factors Influencing Sterility, Mutation and Male Recombination In *Drosophila melanogaster*"; "Diabetes: Biochemistry and Genetic Analysis"; "Molecular Biology of the Eukary-

otic Gene"; "Plant Genetics and Cytogenetics"; "Evolutionary Aspects of Reproduction in *Drosophila*"; "Spontaneous Mutation"; "Homeotic Mutants and *Drosophila* Development"; and "The Demographic Genetics of Plants."

The registration fee for the conference is \$40; the contact persons are R.C. von Borstel, 432-5381 and D. Nash, 432-4147. □

Music To Fill The Air

Choir and organmasters from across North America will be on campus next week to share their own styles of church music.

About 300 delegates are expected to register for the National Convention of the Royal Canadian College of Organists, 13 to 17 August, sponsored by the University's Music Department.

Vice-Chairman of the convention, music professor, Dr. Arthur Crighton, says the aim of the convention is "for the delegates' own inspiration." He hopes it will foster the improvement of church and organ music through lectures, demonstrations, and recitals.

Lectures will include such topics as the basic concepts of organ building, the organ art of the German south, and church music today. Demonstrations will accompany two of the lectures, with guest artists Peter Planavsky and Gerre Hancock providing their unique form of organ improvisation.

Five concerts, all open to the public, will be held: 13 August, Monday, 8:30 p.m., an organ recital by Gerre Hancock in All Saints Cathedral; 14 August, Tuesday, 8:30 p.m., an organ recital by Karl Hochreither in Convocation Hall; 15 August, Wednesday, 8:30 p.m. an organ recital by Peter Planavsky in Convocation Hall; 16 August, Thursday, 10:30 a.m., a recital by the winner of the organ competition; and at 8:30 p.m. a final concert in All Saints Cathedral.

One of the major attractions is a three-manual, mechanical-

action Casavant organ which was specially installed for the convention several months ago.

Another attraction for delegates is a "relaxing Coda of musical desserts served on wide expanses of leisure" in Banff. While in the Rocky Mountain resort, delegates will be treated to a ballet at the Banff School of Fine Arts and an orchestral players concert.

This is the first time the National Convention has been held at The University of Alberta and only the second time it has been held in western Canada. □

Radiation Safety

The University's Radiation Control Committee is the prime mover behind The Seventh Campus Radiation Safety Officers Conference, a conference slated for the Banff Centre from 13 to 17 August.

Radiation safety personnel from this University and many other universities in Canada and the United States will attend the first conference on radiation protection to be held on Canadian soil. The purpose of the conference is to give individuals responsible for university radiological health programs an opportunity to meet and discuss mutual problems.

Conference Coordinator S.E. Hunt says that, while the theme is "The Campus Radiation Safety Officer and Non-Ionizing Radiation," it is not the intention of the Conference Committee to limit papers to non-ionizing radiation. Thus, the call has gone out for papers on waste management practices, monitoring for airborne radioactivity, education and training programs, in-house bioassay programs, the pregnant radiation

worker, measurement of X-rays and X-ray equipment surveys, and other topics.

In addition to the presentation of papers, invited speakers will lecture on microwaves, lasers, bioassays and the campus radiation safety officer, and training programs.

Nuclear instrumentation exhibitors will be present throughout the conference and at least three papers related to the incident at the Three Mile Island Nuclear Power Plant in Pennsylvania will be given. The title of one of the papers is "Medical Radiation Emergency Preparedness in a Nuclear Crisis."

University of Alberta staff who will participate in the conference include Mr. Hunt; W.A.G. Voss, Professor of Electrical Engineering and Biomedical Engineering and Applied Sciences; P. Ford, a technologist with the Slowpoke Nuclear Reactor; and A. Noujaim, Chairman of the Radiation Control Committee and Professor of Pharmacy and Pharmaceutical Sciences. □

Don Gill 1934-1979

Dr. Don Gill, aged 44, Professor of Geography, was killed in an automobile accident near Peace River on Saturday, 28 July.

Dr. Gill had been a member of the Department of Geography since July 1968 and was an expert on Canadian northern ecosystems. He had published extensively, with over sixty major papers and several books and monographs. From 1973 to 1976, he was Director of the Boreal Institute for Northern Studies at The University of Alberta. In 1977, he was promoted to Professor.

At the time of the accident, Dr. Gill was en route to fulfil contract commitments with the Government of the Northwest Territories, with whom he had been recently seconded for a one-year period, to undertake a major research study in the Mackenzie River basin. □



Dr. Don Gill

people

Dr. William H. Lakey, Professor of Surgery, Division of Urology, has been elected President of the Canadian Urological Association at the Annual Meeting in Halifax, Nova Scotia.

Dr. Lakey has been a member of the University of Alberta Faculty since 1960. He is presently co-chairman of the Renal Transplantation Program and is a member of the Council of the Royal College of Physicians and Surgeons of Canada.

Dr. Lakey will preside at the

Canadian Urological Association meeting at Banff, in 1980.

Randall Montgomery, graduate student in Sociology, presented a paper titled "A Time Series Analysis of Imprisonment and Unemployment Rates in Eight Canadian Provinces," at the Annual Meeting of the Canadian Sociology and Anthropology Association held in Saskatoon.

C.L. Simhan, Lecturer in the Faculty of Business Administration and Commerce, and *P. Krishnan*, Professor of Sociology, jointly prepared a paper on "The Sampling Distribution of the Entropy Statistic Through Computer Simulation." The paper was presented by Mr. Simhan at the Western Regional Meeting of the Biometric Society, the American Statistical Association and the Institute of Mathematical Statistics held recently in Los Angeles.

The Philosophy Department was represented at the Canadian Philosophical Association's recent Congress in Saskatoon, by Professors *Roger A. Shiner, P.A. Schouls, W.E. Cooper, Bruce Hunter* and *John King-Farlow*. Professor *Allen A. Carlson* was given a special vote of thanks by the Canadian Association for Publishing in Philosophy and for distinguished service. Dr. King-Farlow was reappointed by CPA to the Editorial Board of the international microfilm organ *Philosophy Research Archives*.

Helen Madill has been appointed Chairman of the Department of Occupational Therapy, Faculty of Rehabilitation Medicine. She had been Acting Chairman of the Department since 1 January 1979. The appointment went into effect 1 July and extends to 30 June 1982. Mrs. Madill earned a Diploma in Occupational Therapy in Sydney, Australia in 1963 and furthered her education at this University, receiving a Teaching Diploma in Occupational Therapy in 1971, a BOT in 1973 and an MEd in 1978. Her first academic appointment at the University occurred in 1970. Mrs. Madill, a Consultant Occupational Therapist at The University of Alberta Hospital since 1973, was a committee member

of the Senate Task Force on Children and Others With Learning Disabilities.

Egon Rapp, Professor of Agricultural Engineering, was recently appointed Secretary-Treasurer of the Canadian Society of Agricultural Engineering.

Ulf Lundvik, former Chief Ombudsman for Sweden is visiting the International Ombudsman Institute at the University of Alberta as its second Ombudsman-in-Residence.

Gabor Simonyi, Track and Field Coach was invited to instruct at a clinic for the United States Olympic Development Program, 7 to 13 July, at Colorado Springs. The annual clinic features 275 coaches and physical educators from across the US.

J. William Lown, Professor of Chemistry, visited Stanford Research Institute, Menlo Park, California, from 22 to 27 July, for a short term collaboration on cancer chemotherapy. The meetings were sponsored by the International Union against Cancer, based in Geneva. During his stay, Dr. Lown presented lectures on his recent researches into antitumor antibiotics and engaged in round table discussions on new anti-cancer agents.

publications

Dickason, O.P. (History): Louisbourg et les Indiens: une étude des relations raciales de la France 1713-1760. *Histoire et Archéologie* 6 (1979): pp. 3-236.

Green, L.C. (Political Science): Double Standards in the United Nations: The Legalization of Terrorism. *Archiv des Völkerrechts* 18 (1979): pp. 129-48.

Haymond, Robert (Educational

Psychology): Roots in the Shtetl. *Psychology and Judaism* 3, No. 4 (1979): pp. 235-267.

Hudson, J.E. (Entomology): Follicle Development, Blood Feeding, Digestion and Egg Maturation in Diapausing Mosquitoes, *Culiseta inornata*. *Entomologica Experimentalis et Applicata* 25 (1979): pp. 136-145.

Kirman, Joseph M. (Elementary Education): Landsat Imagery: A New Teaching Tool. *Geoscope*, Summer, (1979): pp. 59-68.

Nimmo, A.P., and G.G.E. Scudder (Entomology): An Annotated Checklist of the Trichoptera (Insecta) of British Columbia. *Syesis* 11 (1978): pp. 117-133.

coming events

Listings must reach the Editor by 9 a.m. on the Thursday before publication. Written notification is necessary. Listings should be sent to 423 Athabasca Hall.

Lectures and Seminars

Campus Radiation Safety Officers' Conference

13 to 17 August. Sponsored by the Radiation Control Committee, the theme will be "the campus radiation safety officer and non-ionizing radiation." Registration fee \$15. Telephone 432-5655 for information. Conference will be held at the Banff Centre in Banff.

Department of Plant Science

11 to 12 August. 2 p.m. A bedding plant field day at the University Parkland Farm. Free admission. Telephone 432-2325 for information.

Department of Computing Science

13 August. 10:30 a.m. Dr. David K. Hsiao of Ohio State University

will speak on "Database Machines." Room 611, General Services Building.

Theatre

Theatre 3

13 August, 8 p.m. "Flatmates." A comedy about love and dying. For reservations call the Theatre 3 box office at 426-6870.

Edmonton Public Library

Until 11 August. 8 p.m. "The Strand Theatre Show." A close representation of the vaudeville era in Edmonton. Tickets \$4 for adults and \$3 for students and seniors. Tickets available at Woodward's. SUB and at the door. Telephone 423-2331 for information. Performances in the Centennial Library Theatre.

Northern Light Theatre

Continuing. Two plays: "Piaf: Her Songs, Her Loves" and "Eight to the Bar." Performances in Corbett Hall. Telephone 429-3110 for information.

Exhibitions

Devonian Botanic Garden

Plants in bloom during the third week of August. Aster, Clematis, Gypsophila, Inula and Swertia.

The Edmonton Art Gallery

Continuing. "Children by Children." Selected works by children from city-wide entries.

Continuing. "Permanent Collection." An exhibition of works from the Gallery's own collection.

Edmonton Public Library

Continuing. "Heritage Day." Photographs by Helen Fitzpatrick. Showing in the Photography Gallery at the Centennial Library.

Latitude 53

Continuing. The first major retrospective of Sylvain Voyer.

Students' Union Art Gallery

Continuing. "The Works." An invitational exhibition and sale of works in the areas of ceramic art, blown glass, stained glass,

and watercolors by artists living and working in Alberta.

University Special Collections
Continuing. "Wyndham Lewis: An Exhibition in honor of Sheila Watson." Showing in the basement of Cameron Library, Room 033. Monday to Friday 8:30 a.m. to 4:30 p.m.

Corbett Hall

Continuing. Pencil drawings by Cecile Szaszkiewicz, Showing in the lobby of Corbett Hall.

Provincial Museum

Continuing. Alberta Culture presents an exhibition of East Indian costumes featuring 54 costumes complete with headgear, footwear, jewellery, and artifacts such as weapons and musical instruments. Telephone 427-6530 for information.

University Art Gallery and Museum

Until 12 August. "Inuit Games and Contests," an exhibition of sixty-one Eskimo prints from the Clifford E. Lee Foundation collection; plus some Inuit sculpture from the University's permanent collection.

Until 12 August. "Peter Hide's Sculpture." Four are situated on the lawn outside the Ring House

and one inside the gallery.
Until 12 August. Western Canadian Art Association Publications Awards 1979.

Music

RCCO National Convention

13 August. 8:30 p.m. An organ recital by Gerre Hancock. All Saints' Cathedral. Free admission.

14 August. 8:30 p.m. An organ recital by Karl Hochreither. Convocation Hall. Free admission.

15 August. 8:30 p.m. An organ recital by Peter Planyavsky. Convocation Hall. Free admission.

16 August. 10:30 a.m. A recital by the winner of the organ competition. All Saints' Cathedral. Free admission.

8:30 p.m. A final concert in All Saints' Cathedral. Free admission.

Films

Edmonton Festival of International Films

10 August. 7:30 and 9:30 p.m. "Newsfront" and "Picnic At Hanging Rock." (Australia).

11 August. 7:30 and 9:30 p.m. "The Shout" (Britain) and "A Purple Taxi." (France).

12 August. 2 and 7:30 p.m. "Tree of Wooden Clogs" and

"Celine and Julie Go Boating."

13 August. 7:30 and 9:30 p.m.

"Iphigenia" (Greece) and "Enigma of Kaspar House."

14 August. 7:30 and 9:30 p.m.

"Pourquois Pas?" and "An American Friend."

15 August. 7:30 and 9:30 p.m.

"Iphigenia" and "Turtle on its Back."

16 August. 7:30 and 9:30 p.m.

"Queen of the Gypsies" and "Diablo Menthe."

17 August. 7:30 and 9:30 p.m.

"Nea" and "Picnic At Hanging Rock."

18 August. 7:30 and 9:30 p.m.

"The Shout" and "A Purple Taxi." Showing at the Varscona Theatre. Tickets for each show \$4.

Department of Radio and Television

10 August. 10:30 a.m. "The Coaldale Mennonites: Anabaptist Legacy." Aired on CFRN TV.

National Film Theatre

10 August. 7:30 and 9:30 p.m.

"Three Women." (USA). A Robert Altman film.

15, 16 and 17 August. 7:30 p.m.

"Woodstock." To celebrate the tenth anniversary of the rock festival.

All shows in the Citadel's Zeidler Theatre.



The Memorial Organ in the recently restored Convocation Hall.

service information

Information must reach the Editor by 9 a.m. on the Thursday prior to publication. Written notification is necessary. Notices should be sent to 423 Athabasca Hall

Notices

International Student Orientation

An orientation program for newly arrived international students will be held from 28 to 31 August. For further information contact the International Student Office, Room 225 Athabasca Hall (432-4145).

campus tours

Free guided walking tours of The University of Alberta campus depart from the south end of the HUB Mall at 2 p.m. each Thursday and Sunday during the month of August. For more information: telephone 432-2325



The 1979 summer session draws to a close—classes end on and about 14 August.

Reception Service

The International Student Office requires volunteers to meet new international students at the airport upon their arrival. Return mileage will be paid from your place of residence. Phone 432-4145.

Mature Student Orientation

On 27 August the Office of Student Affairs will be conducting an orientation program for students who will begin their studies after an extended absence from a school setting. Further information is available in Room 225 Athabasca Hall. (432-4145).

Study and Writing Skills Workshops

5 and 6 September. An evening program to improve your academic skills. Contact the Office of Student Affairs, Room 225 Athabasca Hall (432-4145) for details.

Alberta Achievement Awards

Nominations for the annual Alberta Achievement Awards Program are being accepted until 3 September 1979. The awards give recognition to people who have made outstanding contributions in the arts, sports sciences, and the humanities.

The awards are divided into three categories:

Performance awards, for Alberta residents who have represented the province in sports and non-sports fields, during 1 September 1978 to 31 August, 1979. Nominees must have placed among the winners circle in a national or international event.
Service awards, for individuals or groups who have been noted for exceptional service normally extending over a period of ten years or more.
Excellence awards, for individuals or groups who have been noted for

exceptional contributions or achievements in a professional or occupational capacity at national, international, and provincial levels.

For more information, telephone 427-8088 or write to: Government of Alberta Achievement Awards Program, Alberta Culture, 14th Floor, CN Tower, Edmonton, Alberta T5J 0K5

Singles on Campus

The Singles on Campus group was organized two years ago as a social club for single, divorced, or widowed people who wish to share mutual concerns and interests. The membership includes people who work on campus, but has always been open to any other who wish to participate.

The club will be resuming its activities in the fall, and invites interested persons to make suggestions regarding the planning of future events. In the past, members have opened their homes for the smaller functions and these have been very successful. Singles on Campus has been sponsored as a University group by the Student Affairs office of the University.

For more information or input, please telephone Audrey Brooks at 487-9195.

CBC Literary Competition II

CBC Radio is offering prizes for original, unpublished works by Canadian writers in the following three categories:

- A short story of 15 to 20 minutes (2,500 to 4,000 words approximately);
- A long poem or suite of connected poems of 15 to 20 minutes.
- A memoir or autobiographical sketch of 15 to 20 minutes.

In each category, the first prize will be \$2,500; second prize, \$2,000;

and third prize \$1,500. These prizes constitute a license to perform the work once on all the CBC's owned and affiliated radio stations.

The deadline for submissions is 11 January 1980 (post-marked no later than). Prize-winning scripts will be broadcast in 1980.

Members of CBC staff and competition judges are not eligible. A prize may not be awarded if, in the opinion of the judges, it is not warranted.

Manuscripts must be written in English, typed, double-spaced, and include author's name and address on the manuscript itself. Please number pages. Writers may enter any or all three categories. Submissions will be returned but it will not be possible to offer editorial comments.

Submissions should be sent to: Robert Weaver, CBC Radio Drama and Literature, PO Box 500, Station A, Toronto, Ont. M5W 1E6.

Please include self-addressed, stamped envelope for return of manuscript.

Research Grants

Granting Agencies:

Application Deadlines

This list of deadline dates for submissions to granting agencies for research funds, exchange programs, and travel grants is published every month in *Folio*. To allow sufficient time for processing, all applications should reach the Research Grants and Contracts Office at least ten days before the deadline date. Where other University resources are involved, the time requirement may be much longer than ten days and such applications should be submitted well in advance. An

extra copy of the application should be provided for the Research Grants and Contracts Office.

Further information may be obtained by consulting the *Calendar of Granting Agencies for Research Funds, Exchange Programs, and Travel Grants*, which is available in the offices of Deans, Directors of Institute, Centres, and Schools and Department Chairmen, or by telephoning the Research Grants and Contracts Office, 432-2002. Note: Although the *Calendar* is updated on a continuous basis, the following information is subject to change without notice. If staff members have advanced information on forthcoming changes, the Research Grants and Contracts Office would appreciate being advised.
Code: (R) Research Funds; (E) Exchange programs; (T) Travel grants.

Granting Agency	Deadline Date
Canadian Diabetic Association	15 Sept.
(R) Calendar source 80	15 Mar.
The Institute of Public Administration of Canada	30 Sept.
(R) Calendar source 213	
Medical Research Council	1 Sept.
(R) Calendar source 255	15 Nov.
National Cystic Fibrosis Research Foundation (USA)	1 Sept.
(R) Calendar source 285	
Natural Sciences and Engineering Research Council of Canada—Exchanges of Scientists between Canada and Brazil, Czechoslovakia, France, Japan, and the Union of Soviet Socialist Republic	30 Sept.
(E) Calendar source 301	
North Atlantic Treaty Organization	15 Sept.
(R) Calendar source 320	15 Jan.
Social Sciences and Humanities Research Council	30 Apr.
Grants for International Representation (GRIPES)	1 Sept.
(T) Calendar source 394	15 Jan.

Surplus Equipment

The equipment listed below has been declared surplus. For further information about the purchase of this equipment or the disposal of any of your department's surplus equipment, consult Bonnie O'Dwyer or Roy Bennet, telephone 432-3208.

Beckman DBG Spectrophotometer.
Actigraph III Nuclear Chicago.
Bausch and Lomb student microscopes (three). For further information telephone Art McKinnon, 432-4432.

Positions Vacant On-Campus

Administrative Officer

An Administrative Officer is required

for the Department of Entomology to work with the Chairman and staff in meeting personnel and administrative requirements of the Department. Duties will include management of the office, staffing, budgeting, timetabling, student registration, graduate student enquiries, and liaison with other departments and administrative offices of the University. Requirements are: a university degree plus administrative experience (or course work with a minimum of 7 years of practical experience with administrative procedures), and familiarity with bookkeeping. Salary range is \$15,325-\$22,985 (under review) per annum commensurate with qualifications and experience.

Interested persons should submit a letter of application and résumé with names and addresses of three referees by 31 August 1979 to: Dr. G. E. Ball, Professor and Chairman, Department of Entomology, 255 Agriculture Building, The University of Alberta Edmonton, Alberta, T6G 2E3

Non-Academic Positions

To obtain further information on the following positions, please contact *Personnel Services and Staff Relations, third floor, SUB, telephone 432-5201*. Please do not contact the department directly. Positions available as of 1 August.

Clerk Typist I (\$707-\$761)—Mathematics
Clerk Typist II (\$707-\$817)—Office of the Comptroller (term) (two positions); Secondary Education (term); Rehabilitation Medicine (term); Secondary Education; Housing and Food Services; Student Awards
Clerk Typist II (\$335-425, term, trust, half-time)—Sociology
Clerk Steno II (\$707-\$844)—Educational Foundations; Forest Science; Extension
Library Clerk II (\$707-\$844)—Faculté Saint-Jean
Dental Records Clerk (\$761-\$910, term)—Dentistry
Programmable Typewriter Operator I/II (\$761-\$985)—Personnel Services and Staff Relations
Clerk Typist III (\$761-\$910)—Library Science; Educational Administration; Field Services (term); Geography; Medical Bacteriology
Clerk Typist III (\$5/hour, term, trust, half-time)—Student Affairs
Women's Equipment Room Attendant (\$4.53-\$5.45/hour, weekend hourly work)—Physical Education and Recreation
Senior Financial Records Clerk (\$785-\$945)—Drama
Data Entry Operator I/II (\$785-\$1,026)—Rural Economy
Clerk Steno III (\$785-\$945)—Sociology; Chemical Engineering; Continuing Medical Education; Field Services (term); Extension; Civil Engineering; Law (two positions); Obstetrics and Gynaecology; Physiology; University

Occupational Health, Safety and Fire; Physics; Mineral Engineering; Secretariat
Clerk Steno III (\$818-\$985, trust)—Legal Resource Centre
Student Record Processing Clerk (\$817-\$985)—Education (two positions)
Admission Records Trainee/Assistant (\$817-\$1,026)—Office of the Registrar (six positions)
Medical Steno (\$844-\$1,026)—Psychiatry
Accounts Clerk (\$844-\$1,026)—Office of the Comptroller
Secretary (\$439-\$535, half-time)—Secretariat
Secretary (\$878-\$1,071)—Business Administration and Commerce (two positions); Dental Clinical Sciences; University Health Services; Health Sciences—Computing; Medicine; Housing and Food Services
Secretary/Departmental Secretary (\$878-\$1,212)—Senate
Secretary (\$915-\$1,116, trust)—Nursing (Nurse Practitioner Program); Theoretical Physics Institute; Cancer Research Unit
Admission Records Assistant (\$455-\$558, half-time)—Physical Education and Recreation
Administrative Clerk (\$910-\$1,115)—Physics; Dentistry; Medical Bacteriology; Geology (Paleontological Collections)
Data Entry Supervisor (\$985-\$1,212)—Administrative Systems
Senior Systems Control Clerk (\$1,026-\$1,264, term)—Field Services—Education
Computer Assistant I (\$707-\$844)—Computing Services
Laboratory Assistant II/III (\$733-\$985)—Provincial Laboratory
Men's Equipment Room Attendant (\$785-\$945, term)—Physical Education
Building Service Worker II (\$817-\$985)—Housing and Food Services (two positions)
Technical Assistant (\$844-\$1,206)—Pharmacology
Technical/Senior Technical Assistant (\$844-\$1,162)—Radio and Television
Technician I (\$910-\$1,115)—Botany
Animal Technician I (\$910-\$1,115)—Bioscience Animal Services
Audiovisual Technician I (\$910-\$1,115)—Audiovisual Media Centre
Dental Technician I (\$945-\$1,162)—Dental Clinical Sciences
Instrument Technician I/II (\$945-\$1,320)—Chemical Engineering
Poultryman (\$949-\$1,162, trust)—Animal Science
Graphics Technician II (\$1,026-\$1,264, term)—Community Relations
Storeman III (Equipment Inventory Assistant) (\$1,026-\$1,264)—Technical Services
Security Officer I (\$1,026-\$1,264)—Campus Security
Electron Microscope Technician II (\$1,026-\$1,264)—Pathology
Laboratory Technologist I (\$1,026-\$1,264)—Provincial Laboratory
Electronics Technician II/III (\$1,071-\$1,501)—Chemistry
Biochemistry Technologist I (\$1,070-\$1,318, trust)—Pharmacology
Technologist (\$1,070-\$1,318, trust)

—Physiology
Bacteriology Technologist I/II (\$535-\$750, term, trust, half-time)—Medical Bacteriology
Bacteriology Technologist I/II (\$1,070-\$1,500, trust)—Medical Bacteriology
Technologist I/II (\$1,070-\$1,500, trust)—Zoology
Assistant Pool Supervisor (\$1,071-\$1,320)—Physical Education and Recreation
Art Technician-Demonstrator I (\$1,115-\$1,377)—Art and Design (two positions)
Technician III (\$1,162-\$1,439)—Biomedical Engineering
Biology Technician III (\$1,162-\$1,439)—Genetics
Machinist Technician II/III (\$1,162-\$1,638)—Physics
Technician III/IV (\$1,162-\$1,638)—Anatomy
Chemical Technologist II/III (\$1,162-\$1,638)—Chemical Engineering
Electronics Technician III (\$1,212-\$1,501)—Physics
Programmer/Analyst II (\$1,212-\$1,501)—Computing Services
Programmer/Analyst II (\$1,264-\$1,565, term, trust)—Computing Science
Technologist III (\$1,320-\$1,638)—Mineral Engineering
Programmer/Analyst III (\$1,439-\$1,789)—Computing Services; Computing Science
Engineering Technologist V (\$1,638-\$2,044)—Physical Plant
Specialist Technician (\$1,638-\$2,044)—Physics
Specialist Technician (\$1,708-\$2,131, trust)—Physics
Physical Plant Manager I (\$1,789-\$2,238)—Physical Plant

The following is a list of currently available positions in the University of Alberta Libraries. The bulletin board in the Cameron Library, Room 512, should be consulted for further information as to availability and position requirements.

Library Clerk II (\$707-\$844)—Cataloguing; Acquisitions
Library Clerk III (\$761-\$910)—Education; Acquisitions (three positions); Cataloguing; Cameron Reserve Reading Room
Library Assistant I (\$817-\$985)—Government Publications; Education
Accounts Clerk (\$844-\$1,026)—Accounting
Secretary (\$878-\$1,071)—Administration (term); Education
Library Assistant II (\$910-\$1,115)—Cataloguing; Education
Storeman I/II (\$761-\$910)—Library Support Services

Advertisements

All advertisements must be received by 3:00 p.m. on the Thursday prior to publication. The cost is 20 cents per word for the first week and 10 cents per word for subsequent weeks ordered before the next deadline. Advertisements must be paid for in advance, and

are accepted at the discretion of the Editor. We regret that no advertisements can be taken over the telephone. For order forms or further information, . . . telephone 432-2325.

Accommodations available

For sale—Bungalow in Windsor Park at 8932 116 St. \$127,000. For appointment call 439-4207.

For rent—Large furnished apartment. Adult deluxe highrise; pool, beautiful view, excellent location, buses, shopping, University. No pets. Non-smokers preferred. References. Flexible September 1979 - May 1980. 488-5113.

For sale—Open beam bungalow in Malmö. Mature landscaping. Basement professionally developed with extensive use of wood. Quality construction. Call Maggie Woytkiw 436-2376, Potter Realty Co. Ltd. 436-3050.

For sale—Four bedroom home backing on golf course is decidedly the best buy in Westbrook under \$200,000—Main floor family room features fieldstone fireplace, built-in bookcases, pegged oak floors and sliding doors to poured patio. For more details call Eleanor Duncan 434-7368, Potter Realty 436-3050.

For sale—Our spic and span three bedroom, two storey home in Ottewell featuring three appliances, fenced yard, carport, full basement with laundry hook-up is well priced at \$75,000. Why not see it today with Eleanor Duncan, Potter Realty 434-7368 or 436-3050.

For sale by owner—2 x 100 acres divided by country road. Natural ski slopes; excellent for country lodge. Beautiful view to Pembina Valley. \$200,000. Cash only. 433-0629, 727-2483.

For sale—By owner. Quiet condominium. 990 sq. ft. Three bedrooms, 1½ baths, plus finished basement. Fridge, stove. \$48,200. Willowdale Place (West-end). Direct university bus. 487-7133 or 434-5064.

For sale—exclusive showings on this charming four bedroom, traditionally styled home. Two blocks to university. Mrs. Pat Anderson, Royal Trust. 435-4869, 434-4460.

For rent—University Avenue Manor. Completely furnished one bedroom apartment. Paved parking. Available 1 September. \$310 monthly. Caretaker, Apartment 16, 10839 University Avenue. 433-6969.

For sale—Blue Quill condominium. 20 minutes from university. One year old, three bedrooms, 1½ bathrooms, carpet throughout. \$56,500, by owner. No agents. Day 432-5285; night 436-5982.

For sale—by owner—excellent executive two storey on Ravine Street in St. Albert. Four bedrooms, formal living/dining room, fireplace, family room, double garage. Close to schools, etc. 458-5001, 458-6718.

For sale—Fifty-six year old charmer. Over 2,000 sq. ft. of elegant living space just off Saskatchewan Drive, 99 Street. Mature ornamental and

fruit trees provide spacious privacy on two lots. Features panel dining room, large living room with fireplace, four bedrooms, den, sunporch, bright modern kitchen, complete with appliances. Many extras provide lots of character and charm. Close to all amenities. Available 1 September 1979. By owner. \$124,500. 463-0271.

For rent—1 September 1979. Executive two bedroom, fully developed basement, two fireplaces, single garage, centrally located. West Capilano. \$675 per month. Phone 466-6914.

For sale—Four level split on quiet crescent in Riverbend. Large pie shaped lot. Completely developed with a total of five bedrooms and three baths. Large kitchen and dining room. Very attractive exterior. Call Agnes Fisher at Potter Realty. 436-3050 or 434-4080.

For sale—Large lakefront lot on Red Deer Lake, 75 miles southeast of Edmonton. Heavily treed, very private. Building site cleared. \$29,900. Shirley Way-Nee, Potter Realty. 435-6032. Office 436-3050.

For sale—Located in Belgravia, walking distance to U of A, 1,544 sq. ft. semi-bungalow. Absolutely top condition inside and out. Single garage with carport at rear. Wood-burning fireplace, hardwood floors throughout. \$121,900. Call Potter Realty Co. Ltd. 436-3050 and ask for Peggy Barr. Res. 436-2433.

For rent—Bright furnished one bedroom basement suite in home two blocks from University. Quiet non-smoking female, references. \$195. 436-9093.

For sale—Country living by the lake. Custom built for year round comfort. Large open beam home features seven rooms, three bedrooms, two baths, loft, fireplace, security system, and all appliances. Huge sundeck and fully landscaped yard. For appointment call Sentry Properties Ltd. 428-1560.

For sale or rent—Condominium. 1,200 sq. ft. carpeted three bedroom condominium, five appliances, fireplace, two car underground parking. Easy access to University. Call 432-6599 daytime. \$500 monthly. Available 1 August.

For sale—Spacious four bedroom house with family room on immense lot. Corinthia Park, Leduc. University twenty-five minutes. 986-9465.

For rent—Meadowlark. Four bedrooms, family room, sauna, heated garage, vacuum system. \$600 monthly. 484-4720.

For sale—Windsor Park. Large, attractive two storey house with big yard. 439-4039.

For rent—Very close University. Windsor Park executive bungalow. Wonderful location, 8727 118 Street. 1,222 sq. ft. Large rooms. Can be partially furnished. Professionally landscaped, mature trees. Basement: self-contained, bright, nice mother-in-law suite. Garage, extra parking. Write or phone owner Calgary,

Mayfair Place 1023 6707 Elbow Drive. 252-2991. Local information, appointment to view 433-2926.

For sale—North Glenora. \$69,500. Easy access to University. Two bedroom bungalow with semi-finished basement, 1½ baths, well landscaped. By owner. 465-2172.

For sale—Must sell by owner, charming semi-bungalow. Excellent condition, McKernan area, new carpets, lino, treed, fenced, amenities nearby, only \$72,900. No agents. For viewing 435-5612.

For sale—Malmo. Owner. Three bedroom bungalow. 1,080 sq. ft., double garage in attractive setting south of University farm. Available immediately \$84,900. Call 435-4137 after 6 p.m.

For sale—Redecorated three bedroom bungalow, 10824 140 Street. One stop sign, one traffic light from University. Large lot 51'X140'. Apple trees. No commission. \$75,000. 482-6166.

For sale—By owner. Must sell. Five year old 1,370 sq. ft. bungalow. Attached garage. Three appliances, two baths, rumpus room. All drapes, curtains. Excellent condition. \$85,000. 458-4931.

For sale—Private sale. Townhouse in Blue Quill. 1,140 sq. ft., plus professionally finished basement, three bedrooms, 1½ baths, fireplace, garage. 15 minutes from University. \$69,900. 434-4751.

For rent—Sunny one bedroom apartment with river view. Quiet, close to University and downtown. Available one year from 20 August. \$400 monthly 488-1956.

Accommodations wanted

Physician wishes to rent home for twelve months from September, 1979. Telephone Dr. Orford at 487-1871.

Professor and wife wanting to rent furnished house/apartment/farmhouse for academic year. Call collect 1-613-829-4521.

Automobiles and accessories

1976 Peugeot 504 diesel wagon. Excellent condition. All service records from new. Phone 922-3374. evenings.

1975 Montego MX Villager S/W. Excellent condition, 18,000 miles after rebuilt engine. Asking \$3,700. 462-4755.

For sale—1978 Plymouth Horizon, low mileage, economical, like new. Phone evenings 986-2338.

1972 Ford Montego station wagon. Seats 9, 78,000 miles. \$950. Phone 453-6089 weekends and after 6 p.m. weekdays.

Volvo 1425, 1972 excellent mechanically, good tires, \$1,800 O.N.O. 436-1820 from 11 August onwards.

Red 1971 Capri. 49,000 miles. Rusty but reliable. \$300. 436-3920.

Goods and services

Will do top quality typing. Phone 455-6398.

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Edmonton YMCA Chito-Ryu Karate Club. Phone 455-2139.

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Electric piano for sale. Full 88 notes. Stereo outputs and headphones.

Unfinished cabinet but beautiful sound. \$1,200. 436-1879 after 5 p.m.

Good Neighbor Fence Company. Quality wood fences, patio decks, odd jobs. Free estimates. 439-1211, 433-6794.

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Antique and later—Furniture from England—tables, chairs, beds, cabinets, stools, upholstered chairs, etc. Porcelain—Doulton, Crown Derby, Coalport, Sèvres. Cloisonné. Ivories. Art Glass. Pictures. Brass and copper. Clocks. Old Maps. Books. Cameras. Jewellery. Old bottles. Tools. Edwardian clothes. Many more curiosities and gift items. Please inquire. Valuations undertaken. Mary Goulden Antiques. From 137 Ave. and 50 St. drive five miles north east on Highway 15, then 1½ miles east. Open Thursday through Sunday 1 - 8 p.m. 973-3656, 475-8139.

Babies wanted—Three to nine months old. Volunteers needed for short observations of early learning, at home or in lab. Dr. Cornell. 432-5216.

Facelift painters—Specializing in excellence of workmanship and immediate service. Commercial, residential. Interior, exterior. 434-4833.

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Tone of \$6,000 grand in apartment size small upright piano. Volume adjusts from whisper to concert level. Must be heard to appreciate tone quality. Phone Dean 432-3796, 436-1879.

Reliable baby sitter to come in part-time, Tuesday - Friday, 7:45 - 2:45.

Two boys 7 and 2. \$220 monthly. McKernan. 436-9283.

Hacking wanted. Experienced lightweight adult, appalled by the prospect of eternally circumnavigating

an arena, seeks the use of a good horse for hacking. Sympathetic, good hands. 432-0879.

For sale—British Shorthair kittens. Blue, blue-cream, cream, red tabby. 436-4780.

Wanted old color portable TVs. Call 455-4289.

Wanted: Sitter for four month old boy, starting September. Janet, 435-4524.

Yamaha piano U1J. Ebony adjustable chair. One year old. \$3,150 new, asking \$2,700. 432-0438 or 432-2347 Robert.

Sale Hasselblad 500CM 100T3.5 2 A12 backs new. 6 month. Phone 464-3613.

Wanted—Purebred German Shepherd pup, reasonable price. Call after 6 p.m. 458-5689.

Loving parents want a mature person to care for their 7 month old daughter for the September to April school-year. (Monday - Friday; 9 - 3 p.m.) Call after 3 p.m. 437-7495.

Garage sale—169 Tudor Lane 112 Street at 31 Avenue. Saturday 4 August 10 a.m. - 2 p.m.

Motorcycle, 1975 Honda. 550-4, 2,600 miles, wind eliminator. Unique bags, three compartment. Rollbar. Mint condition. 465-1116.

Teacher requires mature babysitter to give affectionate care to three month old boy. Approximately six hours per day Monday to Friday. My home or yours. Windsor Park. 4 September. 433-0665.

Babysitter wanted mornings in Windsor Park, near University residences for nine month old girl, starting 4 September. Call Denise Holmen 432-0806.

Two-year old, potty-trained Kate needs a new babysitter—the last two became pregnant. Starting September.

University area or Whitemud Freeway-University route. In your home. Please telephone Chris Simpson, Community Relations, 432-2325; Ruth Simpson, OAS, 432-2257; or 487-5290 evenings.

Siamese cats (two). Free to whoever can provide loving home. Phone David 432-5789 during working hours or 434-0350 evenings.

Maytag washer, good working order. \$200. 436-3716.

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